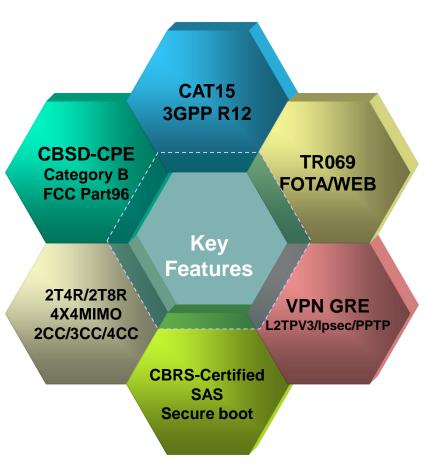


## **CAT15 LTE-A Pro Outdoor CPE**





JT8500D/H is the LTE-A Pro CAT15 outdoor data unit specially designed to meet the high speed wireless backhaul and fixed wireless access deployments by the 4G service operators. JT8500D/H can provide Gigabit PoE connection to connect user terminal device such as indoor router or Wi-Fi AP products, They are used for the customer's home or office to provide a larger wireless range and enhance mobility of usage.

JT8500D/H MTBF time is expected to be above 80,000 hours, It can provide up to 600Mbps max throughput over the air. The typical coverage should be more than 15km with reasonable good throughput performance.

JT8500D/H can communicate with SAS system separately, No need to attach to special eNB domain proxy system.

FCC IDENTIFIER: 2AU2O-JT8500D-8500H



Chipset GCT GDM7243A + GRF7243A

**Dimensions** 250mm (L) \* 250mm(W) \* 75mm(D)

Weight: <2.5Kg

**Power Adapter** Input: 100-240V 50/60Hz 0.75A MAX

Output: DC 48V/0.5A (Gigabit PoE)

Power < 15W Consumption

**User Interfaces** Data: 1 RJ45 10/100/1000M ETH Port

**LED Indicator** PWR, SYS, NET, SIM, ETH,

RF (5 Signal intensity LEDs)

FCC CBSD ClassB Part96

SIM Card Single SIM card slot (2FF)

Operating Temperature, -40°C to 55°C Environment Storage Temperature, -40° C to 85° C

Humidity, 95% max Non-condensing

ITU: 3GPP Release 12 **Industry Standards** 

IEEE: IEEE 802.3 10Base Ethernet

IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet

**Ingress Protection** Rating

Regulary

**IP67** 

Network configuration

Secure boot and firmware authentication CBRS SAS management interface support Support Mobility and Nomadic LTE access mode Band, PLMN, Cell ID, SIM card locking

DHCP or Static IP address Assignment

Bridge and Router Operation

Built-in DHCP Server for LAN Devices

IPv4, IPv6 DS-Lite Multiple PDN interface

NTP Service

Data Support GRE bridge and router operation mode

Support L2TPv2 BCP networking

Support L2TPv3 networking

Security and anti-attack protection for LTE and

WiFi access

Network access and traffic volume control Rich set of ALGs pass-through support

Device Management

Networking

Standard TR069 and OMA-DM device management HTTPS and SFTP FOTA remote

upgrade support

Built-in device PING and IPERF support for

remote device diagnosis

QOS Support

4G- 5G FWA



# **CAT15 LTE-A Pro Outdoor CPE**

# CAT15

### **RF Interface**

**Radio Access** 3GPP Release 12, Category 15

**Operation Mode** TDD 8Rx/4Rx, 2Tx, DL 4\*4 MIMO

CA DL 2CA (4x4 MIMO 64 QAM); DL 4CA (2x2 MIMO 256QAM);

UL 2CA(64QAM);

**MIMO** DL 2x2 MIMO (4CA);

DL 4x4 MIMO (2CA);

B48 3550-3700MHz

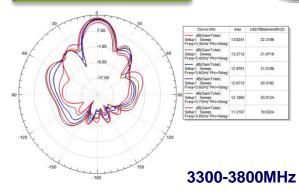
UL 2x2 MIMO;

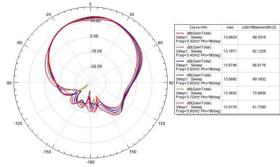
**Output Power** 23dBm per Tx

13dBi (4 antenna model JT8500D)

17dBi (2 antenna model JT8500H)

#### **Antenna Patterns**

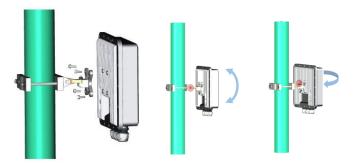




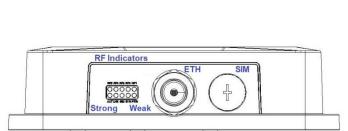
## Installing

Frequency Band

**Antenna Gain** 



Installing ODU - Clamp





Insert SIM Card

**RF Signal Adjustment** 

### **Connect Device**



## **Packing List**



Jaton Technology Limited, founded in 2012, is a high-tech and innovation corporation, main manufacturer and vendor of telecommunication equipment. We have been professional in Fixed Wireless Broadband (FWB) Terminal for 8 years, especially in 5G NR and 4G LTE-A Pro CPE. We have Fixed Wireless Access LTE-A Private Network solutions, such as 3.5GHz and 5GHz. We would like to provide the products and customized solutions to all people. Jaton has deployed FWA service on over 40 networks in more than 25 countries. We will closely follow the international market trends and hope to cooperate with more and more customers for mutual development and benefits.

